AMENDMENT NO. 1 JULY 2019
TO
IS 12146 : 1987 SPECIFICATION FOR CARBON-MANGANESE STEEL FORGINGS FOR PRESSURE VESSELS

(*Page* 4, *clause* **3.1,** *line* 2) — Substitute 'IS 1387 : 1993 General requirements for the supply of metallurgical materials' *for* 'IS 1387 : 1967†'.

(*Page* 4, *footnote* †) — Delete.

(*Page* 5, *clause* **5.1**) — Substitute the following for the existing clause:

'**5.1 Ladle Analysis —** The ladle analysis of the steel when made in accordance with relevant parts of IS 228* or any other instrumental/ chemical method shall be as given in Table 1. In case of dispute the procedure given in IS 228* and its relevant parts shall be the referee method.'

(*Page* 6, *clause* **9.1,** *line* 2) — Substitute 'IS 1608 (Part 1) : 2018/ ISO 6892-1 : 2016 Metallic materials — Tensile testing: Part 1 Method of test at room temperature (*fourth revision*)' *for* '1608-1972*'.

(*Page* 6, *clause* **9.1**, *line* 3) — Substitute 'IS 1500 (Part 1) : 2019/ ISO 6506-1 : 2014 Metallic materials — Brinell hardness test: Part 1 Test method (*fifth revision*)' *for* 'IS 1500-1983‡'.

(*Page* 6, *footnote* *, ‡) — Delete.

(*Page* 10, *clause* **13.1.2**) — Substitute the following for the existing clause:

'13.2 BIS Certification Marking

13.2.1 The Product (s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act,* 2016 and the Rules and Regulations framed thereunder, and the products may be marked with the standard mark.'

(MTD 16)

Publication Unit, BIS, New Delhi, India